



AT-S73 and AT-S99 Version 4.0.0 Management Software for the Converteon™ Media Converter Products

Software Release Notes

Please read this document before you begin to use the management software.

Supported Platforms

The AT-S99 Version 4.0.0 Management Software is the management program for the AT-CV5M02 Management Card.

The AT-S73 Version 4.0.0 Management Software is the management program for these Converteon Media Converter Line Cards:

- AT-CM201
- AT-CM202
- AT-CM202/1
- AT-CM202/2
- AT-CM212A/1
- AT-CM212B/1
- AT-CM2K0S
- AT-CM70S

This release supports the following enclosures and power supply modules:

- AT-CV5000 Chassis
- AT-CV1200 Chassis
- AT-CV1203 Chassis
- AT-CV1000 Chassis
- AT-PWR14 Power Supply Module
- AT-PWR15 Power Supply Module

Please review the following information before using the new software:

- This release does not include a new bootloader for the AT-CM Line Cards. This release should be used with bootloader version 1.7.0.
- This release of the AT-S73 Management Software supports both the newer versions of the AT-CM Line Cards, which support dying gasp, as well as the older versions which do not support the feature.
- This release does not include a new version of the AT-S70 Management Software for the AT-CV5M01 Management Card.
- The AT-CV Media Converter Line Cards in the Converteon product line do not have management software.

CAUTION:

The Converteon Version 4.0.0 management software is NOT compatible with the AT-CV5M01 Management Card. DO NOT update your AT-CM Media Converter Line Cards unless you have the newer AT-CV5M02 Management Card.

Product Documentation

Refer to the Allied Telesis web site at www.alliedtelesis.com for the latest installation and user guides for the Converteon product line.

What's New in Version 4.0.0

This release does not include any new hardware features or components. However, some changes have been made to the menus and the web browser windows in the AT-S99 Management Software on the AT-CV5M02 Management Card. For further information, refer to the latest version of the *Converteon Management Software User's Guide*.

General Upgrade Information

The instructions on how to download the new management software programs onto the cards can be found in Chapter 11, "Uploading and Downloading Files," in the latest version of the *Converteon Management Software User's Guide*. As explained in the instructions, you can use either TFTP or XModem to perform the upgrade.

The general guidelines to updating the management software programs on the AT-CV5M02 Management Card and the AT-CM Line Cards are outlined here:

- The AT-CM Line Cards should already have Version 3.0.0 of the AT-S73 Management Software before you upgrade them to Version 4.0.0. If they have earlier versions of the management software or if you are uncertain as to their version numbers, refer to "Upgrading from Versions Earlier than Version 3.0.0," next for assistance.
- Allied Telesis recommends updating the software on the AT-CM Line Cards first and then the AT-CV5M02 Management Card. If the management card already has Version 4.0.0, it still may be possible to use it to update the line cards. However, if you encounter problems, you may have to download Version 3.0.0 of the AT-S99 Management Software onto the management card, update the line cards, and then reinstall Version 4.0.0 on the management card.
- If there are remote AT-CM Line Cards configured for the OAM-based remote peer management feature, you can download the new program to the cards remotely, without having to visit the remote sites.
- Upgrading the AT-CV5M02 Management Card takes approximately two minutes using TFTP or four minutes using XMODEM at a baud rate of 115200 bps on the Console port.
- Upgrading one AT-CM Line Card takes approximately three minutes using TFTP or four minutes using XMODEM at a baud rate of 115200 bps on the Console port.
- To avoid possible compatibility issues, all of the AT-CM Line Cards in a chassis should have the same version of the AT-S73 Management Software.
- This release does not include a new bootloader for the AT-CM Line Cards and should be used with bootloader version 1.7.0.

Upgrading from Versions Earlier than Version 3.0.0

If the AT-S73 Management Software on the AT-CM Line Cards is earlier than Version 3.0.0, you'll have to install all of the previous releases in sequence up to Version 3.0.0 before installing Version 4.0.0. For example, if a line card has Version 1.5 of the AT-S73 Management Software, you have to install Versions 1.6, 1.7, and 2.0.2, and 3.0.0. All of the releases are available from the Allied Telesis web site.

Note:

Skipping a release may damage a line card.

You may be able to use the AT-CV5M02 Management Card to determine the version numbers of the AT-S73 Management Software programs on the line cards. For instructions, refer to the *Converteon Management Software User's Guide*. If the management card doesn't display a version number for a line card, you may be able to find the number on the card's shipping container or on a label on the card itself.

In those situations where you are unable to ascertain the version number of the AT-S73 Management Software on a line card, your only recourse is to install all of the versions in sequence, starting with Version 1.4.0. Allied Telesis recommends using the AT-CV5M01 Management Card to upgrade the line cards to Version 2.0.2. If you do not have that card, you can either contact your Allied Telesis sales representative for assistance or try using the AT-CV5M02 Management Card, though the results may not be predictable.

Version 1.7.0 has a new bootloader. When installing that version, install the management software first and then the new bootloader.

AT-S73 and AT-S99 Version 4.0.0 Management Software

Known Issues

- ❑ **DHCP client.** The DHCP client on the AT-CV5M02 Management Card has the following known issues:
 - There has to be a valid link on the 10/100Base-TX port on the management card before you can enable the DHCP client.
 - If the link on the 10/100Base-TX port is lost while the DHCP client is enabled, you aren't allowed to disable the client until the port's link is reestablished.
 - If, after the management card has received an IP address configuration from a DHCP server, the server stops operating, the card retains its configuration. However, because the DHCP client doesn't periodically query the server for the status of its IP address configuration, it is unable to determine whether or not its configuration is still valid when the DHCP server resumes operations.
- ❑ **AT-CM70S Line Card.** This line card has these known issues:
 - The line card does not support the Line Card Configuration menu or tab, used to restore previous configurations or the default configuration.
 - The line card does not support packet rate limiting or flow control on the ports.
- ❑ **Remote peer management.** The remote management feature may not work during periods of heavy traffic between a local line card and its remote counterpart. The network operations of the local and remote line cards are not affected by this problem, but you will not be able to manage the remote card because it will not be included in the Remote Configuration and Status menu. Here are possible workarounds:
 - For the AT-CM2xx Line Cards you can leave flow control activated on the ports on the local and remote cards. These line cards are only likely to encounter the problem if you deactivate flow control.
 - For the AT-CM2KOS or AT-CM70S Line Card you can temporarily set the packet rate limit on the twisted pair port on the local line card to 70 Kbps. You'll then be able to manage the remote line card. Afterwards, you can readjust the packet rate limit on the local twisted pair port back to no limit or to whatever the previous setting happened to be.

- ❑ **Web browser windows.** The web browser windows have the following issues:
 - You cannot control the T1/E1 port settings on the AT-CM70S Line Card from the web browser windows. These port settings have to be adjusted from the menus on the management card or from the card's Console port. (6401)
 - You can use the web browser windows to view but not change the IP address configuration of the AT-CV5M02 Management Card.

Resolved Issues

The following issues were resolved in Version 4.0.0 of the AT-S73 and AT-S99 Management Software:

- ❑ **Auto-copy and the AT-CM Line Cards.** Line cards did not always display the correct settings for their twisted pair ports after receiving their configurations from the management card and the master configuration file. This problem has been resolved. (6447)
- ❑ **Master configuration file and the SNMPv3 tables.** In the previous version of the AT-S99 Management Software for the AT-CV5M02 Management Card, you could not upload the SNMPv3 table to a TFTP server. In Version 4.0.0 uploading the table is now supported. (6434)

Operational Notes

- ❑ Starting in Version 3.0.0 the default operating mode for the AT-CM Line Cards is OAM Visible. (The default operating mode for the AT-CV Line Cards remains Link Test.)
- ❑ All of the media converter line cards in a chassis should have the same version of the AT-S73 Management Software. Compatibility issues may arise if the line cards use different versions.
- ❑ The AT-CV and AT-CM Line Cards support different sizes of Ethernet frames. The AT-CV Line Cards can handle frames up to 9000 bytes while the AT-CM Line Cards, with one exception, can handle frames up to 1522 bytes (tagged). The exception is the AT-CM2KOS Line Card, which has a maximum frame size of 1632 bytes.
- ❑ When operating in the MissingLink mode the AT-CM202 and AT-CM212 Line Cards may take up to three seconds to establish links on their ports.
- ❑ If you are using TeraTerm Pro to manage the Converteon product, Allied Telesis recommends upgrading to the most recent version of the program. This is particularly important if you will be using XMODEM to download image files to the AT-CV5M02 Management Card or to the AT-CM Line Cards. The XMODEM utility in some of the earlier versions of TeraTerm Pro is not compatible with the same utility on the management card. The downloads will initially appear to be successful, but will fail when the management card transfers the image files to the line cards.
- ❑ If the DIP switches that control the operating mode appear to be nonfunctional on a new media converter line card, they might have been disabled during manufacturing. Resolving the problem requires the AT-CV5M02 Management Card. You have to install the line card into a chassis that has the management card and either reactivate the DIP switches or select another operating mode on the line card. If you do not have the AT-CV5M02 Management Card, contact Allied Telesis technical support at www.alliedtelesis.com for assistance.
- ❑ When you add or hot-swap line cards in an operational AT-CV5000 Chassis, Allied Telesis recommends that you install the cards one at a time and that you verify with the management card that a new card is operating properly before you install the next card.
- ❑ The Link LED for the fiber optic port on the AT-CM70S Line Card remains on after the port is disabled. (5910)
- ❑ The Activity LED on the twisted pair port on the AT-CM202-v2 Line Card continues to flash after the port is disabled. (6083)
- ❑ If you install the AT-CM70S Line Card in the AT-CV1200 Chassis, you must set the card's UART parameter to the UART Local Console Mode. Otherwise, the line card might not function properly. Setting this parameter requires the AT-CV5M02 Management Card. This guideline does not apply if the line card is installed in the AT-CV5000 Chassis. (5015)

Features History

This section lists the history of the new features in the Converteon product.

Version 3.0.0

- This release introduced the AT-CV5M02 Management Card.

Version 2.0.2

- This release introduced the AT-CV1203 Chassis and the dying gasp feature.
- The Diagnostics menu was expanded with a new selection for viewing the version numbers of the AT-S73 Management Software and the bootloader files on remote AT-CM Line Cards.
- The remote peer management feature was enhanced to support traffic statistics for the twisted pair ports on remote AT-CM Line Cards.
- The ability to view manufacturer's SFP information on remote AT-CM70S and AT-CM2KOS Line Cards was also added in this release to remote peer management.

Version 1.7.0

- This release added support for upgrading the AT-S73 Management Software on remote AT-CM Line Cards through remote peer management.

Version 1.6.0

- None

Version 1.5.0

- None

Version 1.4.0

- None

Version 1.3.0

AT-S70 Version 1.3.0 introduced the following new features:

- SNMP, v3
- T1/E1 Configuration and Status (for AT-CM70S only)

Version 1.2.0

AT-S70 Version 1.2.0 introduced the following new features:

- Redundant CPM (Manual and Automatic CPM Switchover)
- ATI Proprietary Remote Management with Remote Port Configuration Included
- Smart MissingLink
- SFP Information

Version 1.1.0

AT-S70 Version 1.1.0 introduced the following new features:

- Event Log
- Syslog (RFC 3164 - BSD Syslog Protocol)
- User Configurable for Operating Mode via User Interface
- MissingLink capability for AT-CM202 Line Card

Version 1.0.0

AT-S70 Version 1.0.0 introduced the following new features:

- Chassis, CPM card and line card monitoring and diagnostics
- Telnet and SNMP management
- Xmodem and TFTP software downloads
- DHCP
- Activity Monitor
- IEEE 802.3ah OAM Compatible
- ATI Proprietary Remote Status

Contacting Allied Telesis

This section provides Allied Telesis contact information for technical support as well as sales or corporate information.

Online Support

You can request technical support online by accessing the Allied Telesis Knowledge Base: **www.alliedtelesis.com/support/kb.aspx**. You can use the Knowledge Base to submit questions to our technical support staff and review answers to previously asked questions.

Email and Telephone Support

For Technical Support via email or telephone, refer to the Support section of the Allied Telesis web site: **www.alliedtelesis.com**.

Returning Products

Products for return or repair must first be assigned a return materials authorization (RMA) number. A product sent to Allied Telesis without an RMA number will be returned to the sender at the sender's expense. For instructions on how to obtain an RMA number, go to the Support section on our web site at **www.alliedtelesis.com**.

For Sales or Corporate Information

You can contact Allied Telesis for sales or corporate information through our web site at **www.alliedtelesis.com**.

Obtaining Management Software Updates

New releases of management software for our managed products are available from the following Internet sites:

- Allied Telesis web site: **www.alliedtelesis.com**
- Allied Telesis FTP server: **<ftp://ftp.alliedtelesis.com>**

If the FTP server prompts you to log on, enter "anonymous" as the user name and your email address as the password.

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